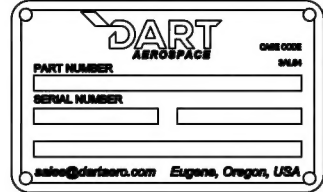


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3

-07 -17

-11

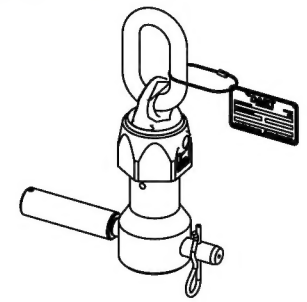
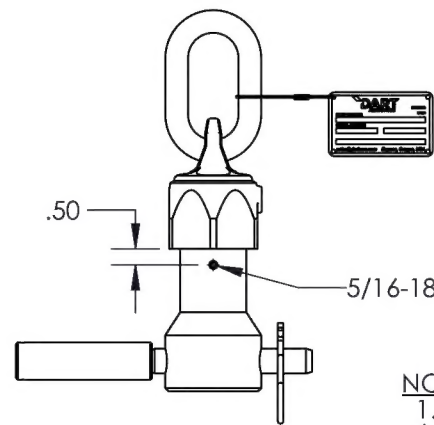
-13 2

-03
-05
-07 2X

-15

-09 2

-01



NOTE:

1. PART OF KIT RBEA62410.
- 2 ATTACH LANYARD TO -09 & -13.
- 3 ENGRAVE WITH T/N, S/N, SWL 3T WEIGHT TESTED AT 12000 LBS, DATED XX-XX-XXXX.
4. REF AIRBUS #M12669/P-1.

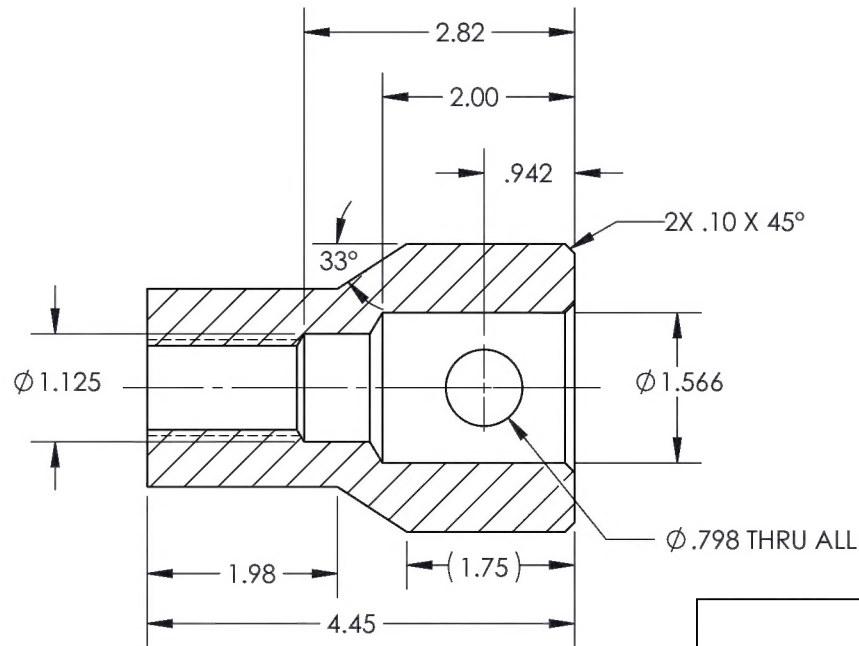
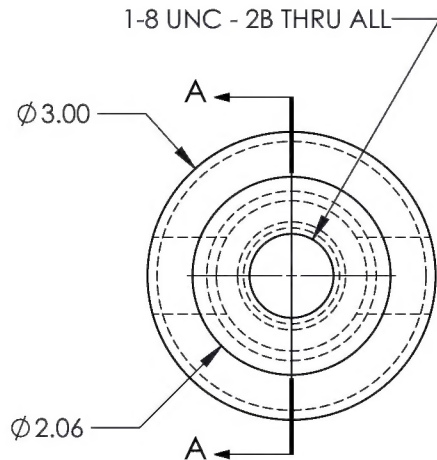
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-01 BODY O.D. CHANGE FROM 3.5 TO 3.00. -03 PIN LENGTHS CHANGED FROM 5.89 TO 5.00 AND 9.704 TO 9.25.	4/26/2017		
2		-01 ADDED 5/16-18 THREADED HOLE.	4/26/2017		
3		-01 DELETED 5/16-18 HOLE, WILL BE DRILLED AT ASSEMBLY.	4/26/2017		
4	17-0102	UPDATED TO NEW DRAFTING STANDADR. ADDED NOTE 2 TO SHEET 1. -01 DELETED DIM'S (.82), 1.65. ADDED DIM (1.75). CH'D FINISH WAS POWDER COAT FORREST T3370 S9 RED WAGON IS POWDER COAT RED. CH'D MAT'L WAS 1018 IS 1018/1020 CR. -03 CH'D DIM'S WAS .082 IS .08. WAS Ø.736 IS Ø.74. WAS Ø.188 THRU IS Ø.19 THRU ALL. WAS Ø.550 IS Ø.55 .75. WAS 2.25 .025 IS .03. WAS .196 IS .20. ADDED DIM .63, (1.15). CH'D ENGRAVE NOTE WAS ENGRAVE TOOL No. TO FIT IS ENGRAVE P/N. WAS ENGRAVE TOOL No. "RBEM12669P-1 IS ENGRAVE T/N, S/N, "MADE IN USA". CH'D FINISH WAS CAD PLATE SILVER MIL-C-81568, TYPE I, CLASS I IS ZINC PLATE ASTM B633 TYPE I SC 2. CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142 ADDED HEAT TREAT RC 28-34. -07 CH'D QTY WAS 2 IS 3. -09 CH'D B/O INFO WAS Ø3/16 LINKAGE PARTS #1099172 IS Ø9/64 X 3/4 (MCMaster-CARR #98355A790). -11 CH'D B/O INFO WAS 8800lb CAP. (RUD #7989905) GRAINGER #1MLT4 IS 10,000LB. CAP. WESTEC RIGGING, ACTEK #44124. ADDED -17 AND RB41011 SHEET 1 ADDED VIEW TOSHOW 5/16 HOLE POSITION. ADDED WEIGHT TEST SHEET.	4/26/2017	RJC	JAG

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-01	1	BODY	1018/1020 CR		2
			-03	1	PIN	4140/4142		3
		B/O	-05	1	LANYARD	COATED STEEL	Ø1/16 X 14 (CARR LANE #CL-2-C)	N/S
		B/O	-07	3	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMaster-CARR #3896T31)	N/S
		B/O	-09	1	DOUBLE LOOP HAIR PIN	STEEL	Ø9/64 X 3/4 (MCMaster-CARR #98335A790)	1
		B/O	-11	1	LOAD RING		10,000 LB. CAP. WESTEC RIGGING, ACTEK #44124	1
		B/O	-13	1	ROLL PIN	STEEL	Ø3/16 X 1-1/8 (MCMaster-CARR #98296A911)	1
		B/O	-15	1	SET SCREW	STEEL	5/16-18 X 5/8 (MCMaster-CARR #92695A405)	1
		B/O	-17	1	LANYARD	COATED STEEL	Ø1/16 X 3 (CARR LANE #CL-2-C)	1
		B/O		1	PLACARD	ALUMINUM	RB41011	1

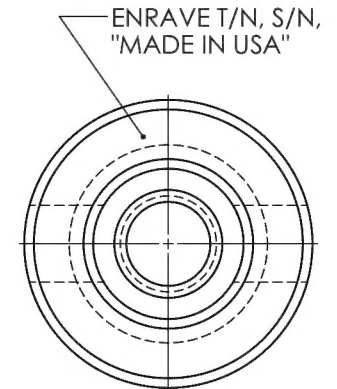
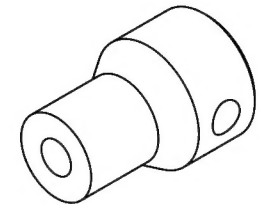
DART AEROSPACE			
TITLE			
HOISTING TOOL ASSEMBLY			
DWG NO. RBEM12669/P-1			REV 4
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY: PERRITT		.X ± .1 SURFACES = 125✓	
CHECKED: DD 04/26/2017		1. BREAK ALL SHARP EDGES	
OPPS APPR: AA 05/05/2017		.015 x 45° OR .015R	
QA APPR: JL 05/10/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED: JAG 05/16/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE 1:6		USED ON MODEL	
DATE 4/26/2017		EC135	
		SHEET 1 OF 4	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-01 BODY O.D. CHANGE FROM 3.5 TO 3.00.	9/24/2010	WP	DW
2		-01 ADDED 5/16-18 THREADED HOLE.	3/14/2011	JAG	RW
3		-01 DELETED 5/16-18 HOLE. WILL BE DRILLED AT ASSEMBLY.	11/16/2011	RJC	
4	17-0102	-01 DELETED DIM'S (.82), 1.65. ADDED DIM (1.75). CH'D FINISH WAS POWDER COAT FORREST T3370 S9 RED WAGON IS POWDER COAT RED. CH'D MAT'L WAS 1018 IS 1018/1020 CR.	4/26/2017	RJC	JAG



SECTION A-A



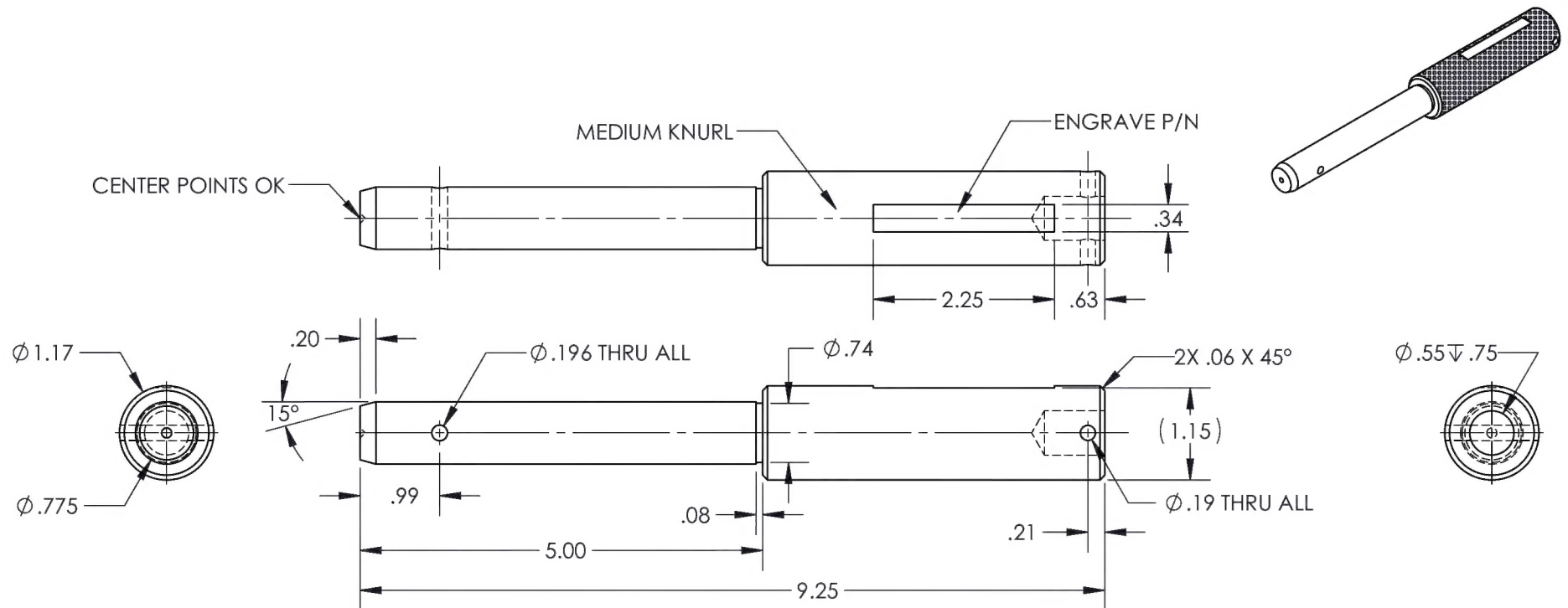
(-01)

BODY

DART AEROSPACE	
TITLE HOISTING TOOL ASSEMBLY	
DWG NO. RBEM12669/P-1-01	REV 4
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH POWDER COAT RED	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: RJC 04/26/2017	1. BREAK ALL SHARP EDGES
CHECKED: DD 04/26/2017	.015 x 45° OR .015R
OPPS APPR: AA 05/05/2017	2. DIMENSIONAL LIMITS APPLY
QA APPR: JL 05/10/2017	AFTER PLATING
APPROVED: JAG 05/16/2017	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:2	DATE 4/26/2017
	SHEET 2 OF 4

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-03 PIN LENGTHS CHANGED FROM 5.89 TO 5.00 AND 9.704 TO 9.25.	9/24/2010	WP	DW
4	17-0102	-03 CH'D DIM'S WAS .082 IS .08. WAS Ø.736 IS Ø.74. WAS Ø.188 THRU IS Ø.19 THRU ALL. WAS Ø.550 IS Ø.55 ±.75. WAS 2.25 ±.025 IS .03. WAS .196 IS .20. ADDED DIM .63, (1.15). CH'D ENGRAVE NOTE WAS ENGRAVE TOOL No. TO FIT IS ENGRAVE P/N. WAS ENGRAVE TOOL No. "RBEM12669P-1 IS ENGRAVE T/N, S/N, "MADE IN USA". CH'D FINISH WAS CAD PLATE SILVER MIL-C-8156B, TYPE I, CLASS I IS ZINC PLATE ASTM B633 TYPE I SC 2. CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142 ADDED HEAT TREAT RC 28-34.	4/26/2017	RJC	JAG

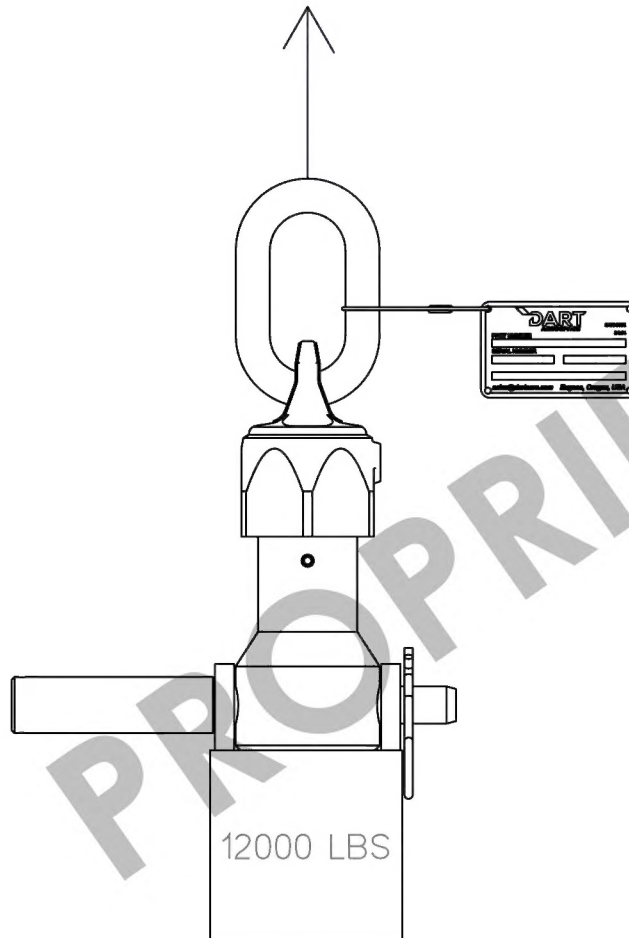


(-03)

PIN

DART AEROSPACE	
TITLE HOISTING TOOL ASSEMBLY	
DWG NO. RBEM12669/P-1-03	REV 4
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
DRAWN BY: RJC 04/26/2017	.X ± .1 SURFACES = 125
CHECKED: DD 04/26/2017	1. BREAK ALL SHARP EDGES
OPPS APPR: AA 05/05/2017	.015 x 45° OR .015R
QA APPR: JL 05/10/2017	2. DIMENSIONAL LIMITS APPLY
APPROVED: JAG 05/16/2017	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/26/2017	USED ON MODEL
SHEET 3 OF 4	EUROCOPTER EC135

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INSPECTION & TESTING PROCEDURES FOR THE RBEM12669/P-1, HOISTING TOOL ASSEMBLY. THIS IS DESIGNED FOR LIFTING THE EC135, H135, AND EC635 HELICOPTER. THIS HOISTING TOOL SHOULD BE INSPECTED BEFORE AND AFTER EACH USE.

REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE HOISTING TOOL ON AN OVERHEAD LIFTING DEVICE. ATTACH SLING TO AN APPROPRIATE TEST WEIGHT TEST OF 12,000 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, DISTORTION OR DAMAGE.
3. REMOVE WEIGHT AND RE-INSPECT, CHECKING FOR ANY CRACKS, DEFLECTION, DISTORTION OR DAMAGE.

INSPECTOR: _____

TESTER: _____

S.N.: _____

DATE: _____



190 S. Danebo Ave., Eugene, OR. 97402
1-800-556-4166
e-mail: sales@dartaero.com
dartaerospace.com

TITLE HOISTING TOOL ASSEMBLY			
DWG NO. RBEM12669/P-1	REV 4	CUSTOMER 1 OF 1	
SCALE 1:4	DATE 4/26/2017	SHEET	4 OF 4